

# Cloud Computing - Advantages and Services

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Cloud computing refers to the delivery of computing services over the internet, enabling users to access storage, applications, and processing power on demand.

Advantages of Cloud Computing:

1. Cost Efficiency: Reduces the cost of buying hardware and software.
2. Scalability: Easily scale resources up or down based on demand.
3. Accessibility: Access your data and applications from anywhere.
4. Disaster Recovery: Ensures data backup and recovery in case of failures.
5. Automatic Updates: Cloud service providers handle software updates automatically.

Major Cloud Services:

1. Infrastructure as a Service (IaaS): Provides virtualized computing resources over the internet.
2. Platform as a Service (PaaS): Offers hardware and software tools over the internet.
3. Software as a Service (SaaS): Delivers software applications on a subscription basis.
4. Function as a Service (FaaS): Enables execution of code in response to events without managing servers.

Cloud computing continues to evolve, making IT services more flexible, reliable, and efficient for both individuals and organizations.